

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior listings and versions of the claims in this application.

Please cancel claim 5 without prejudice or disclaimer.

Listing of claims:

1. (Currently Amended) A device ~~Device~~ for removing undesirable gases and particles from the air, which

wherein the device comprises a purifying chamber through which air to be purified (1) is arranged to pass and having an entrance end provided with a zone (2) producing water dust,

wherein said purifying chamber being provided with ion emitting tips (3) operating by high voltage current at a range of 5 to 150 kV and with collecting surfaces (4) collecting impurities from the air, ~~characterised in that~~

wherein said zone (2) is provided with dies (7) producing water dust having a droplet size of 20 to 40 μm , and that said collecting surfaces (4) are grounded and that the ion emitting tips (3) are directed towards said collecting surfaces (4) and generate ion jets rushing from the ion emitting tips (3) causing water dust and gases and particulate materials attached to the droplets of said dust to be forced against said collecting surfaces (4).

2. (Currently Amended) The device ~~Device~~ according to claim 1, ~~characterised in that~~ wherein there is an outlet chamber (5) at the bottom of the purifying chamber for conveying gases and particles separated from the air together with water formed from the water dust away through the entrance end of the purifying chamber.

3. (Currently Amended) The device ~~Device~~ according to claim 2, ~~characterised in that~~ wherein water dust is produced by means of an ultrasound-oscillator.

4. (Currently Amended) The device ~~Device~~ according to claim 2, ~~characterised in that~~ wherein water dust is produced with compressor-pressurized air.

5. (Cancelled)